CLAIMS

1. A battery pack, including a plurality of batteries (11) arranged in parallel and accommodated in a case (2) that forms a cooling-air passage (3), wherein the cooling-air passage (3) and a gas-discharge passage (4) for discharging gas leaking from the battery (11) when the battery (11) falls into abnormal state are formed and separated from each other in the case (2).

2. The battery pack according to claim 1, wherein

a plurality of battery units (12) each of which includes a plurality of batteries (11) that are arranged coaxially and are connected in series are arranged in parallel in the case (2), and the gas-discharge passage (4) is formed in regions corresponding to both sides of the case along a direction in which the batteries are arranged in parallel and a region corresponding to the connection between the batteries (11) in the case (2).

3. The battery pack according to claim 1, wherein

through holes (7) through which the batteries (11) are inserted are formed to extend through both sidewalls (5a) of the case (2) and passage sidewalls (4a) for separating the gas-discharge passage (4) from the cooling-air passage (3).

4. The battery pack according to claim 3, wherein a connection plate (8) having connection means (8b) for sequentially connecting the batteries (11) or battery units (12) that are adjacent in series is provided on the outer surface of each of both sidewalls (5a) of the case (2).

5. The battery pack according to claim 1, wherein the case (2) is formed by: a case body (5) in which the cooling-air passage (3) is formed in such a manner that one side face is opened and the other side face is closed and the gas-discharge passage (4) is formed in such a manner that one side face is closed and the other side face is opened; and cover plates (6a, 6b) for respectively covering both side faces of the case body (5).